UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



Region 6 Laboratory
Environmental Services Branch
10625 Fallstone Road, Houston, TX 77099
hone: (281)983-2100 Fax: (281)983-2248 Phone: (281)983-2100

Final Analytical Report

	Site Name	Oil Trust Fund
	Sample Collection I	Date(s) 07/29/10
	Contact	Rich Mayer (6PD-F)
	Report Date	08/03/10
	Project #	10REG213
	Work Order(s)	1007039
Analyses included in this LC DOSS	report:	
LC DOSS		
Report Narrative		
Sample Management:		
•	es 1007039-01 through 10 were not received by the	007039-04 was cancelled because they were listed laboratory.
DOSS:		
DOSS was not found i	in the samples at or above	e the reporting limit.
-	le results. The results ap	quality control were followed in the analysis and pply only to the samples tested. This final report
Reporting limits are ac	djusted for sample size an	nd matrix interference.
Report Approvals:		
Richard McMillin Region 6 Laboratory Mar	nager	David Neleigh Region 6 Laboratory Branch Chief

THITED STATES

Please provide a reason for holding:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Environmental Services Branch Laboratory

10625 Fallstone Road Houston, Texas 77099

Sample Receipt and Disposal

Site Name: Oil Trust Fund	Project Number: 10REG213
Data Management Coordinator: Christy Warren	/ /
Data Management Coordinator Signature	Date
Date Transmitted:/	
Please have the U.S. EPA Project Manager/Officer ocomments or questions.	call the Data Management Coordinator at 3-2137 for any
Please sign and date this form below and return it w	ith any comments to:
Christy Warren Data Management Coordinator Region 6 Laboratory 6MD-HS	
Received by and Date	/
Comments:	
The laboratory routinely disposes of samples 90 day hold these samples in custody longer than 90 days, p	es after all analyses have been completed. If you have a need to blease sign below.
Signature	Date



Region 6 Laboratory

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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
T005-0012-100729-SW-1	1007039-05	Liquid	7/29/10 9:50	07/30/10 09:40
T005-0013-100729-SW-1	1007039-06	Liquid	7/29/10 10:25	07/30/10 09:40
T005-0014-100729-SW-1	1007039-07	Liquid	7/29/10 10:50	07/30/10 09:40
T005-0015-100729-SW-1	1007039-08	Liquid	7/29/10 11:25	07/30/10 09:40
T007-0005-100729-SW-1	1007039-09	Liquid	7/29/10 9:15	07/30/10 09:40
T007-0006-100729-SW-1	1007039-10	Liquid	7/29/10 9:55	07/30/10 09:40
T007-BG06-100729-SW-1	1007039-11	Liquid	7/29/10 12:05	07/30/10 09:40

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Region 6 Laboratory

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DOSS by LC/MS/MS

Lab ID: 1007039-05 Station ID: T005-0012-100729-SW-1

Batch: B0G3001 Date Collected: 07/29/10 Sample Volume: 24 ml Sample Type: Liquid

Sample Qualifiers:

Surrogates

Analyte	$\mathop{Result}_{\mu g/l}$	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	181		109	50-150	07/30/10	07/30/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		19.6	1	07/30/10 07/30/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007039-06

Batch: B0G3001 Sample Type: Liquid Date Collected: 07/29/10 Sample Volume: 23 ml

Sample Qualifiers:

Station ID: T005-0013-100729-SW-1

Surrogates

Analyte	Result µg/l	Analyte Qualifiers		%Recovery Limits	Prepared Analyzed
Surr: DOSS-D34	179		103	50-150	07/30/10 07/30/10
		Targets			
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/30/10 07/30/10

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DOSS by LC/MS/MS

1007039-07 Lab ID:

Batch: B0G3001 Sample Type: Liquid Station ID: T005-0014-100729-SW-1

Date Collected: 07/29/10 Sample Volume: 22 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	177		97.3	50-150	07/30/10	07/30/10
		Targets				
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/30/10	07/30/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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DOSS by LC/MS/MS

Lab ID: 1007039-08

Batch: B0G3001 Sample Type: Liquid **Station ID: T005-0015-100729-SW-1**Date Collected: 07/29/10

Sample Volume: 23 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	187		108	50-150	07/30/10	07/30/10
		Targets				
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	IJ		20.0	1	07/30/10	07/30/10

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DOSS by LC/MS/MS

Lab ID: 1007039-09

Batch: B0G3001 Sample Type: Liquid Date Collected: 07/29/10 Sample Volume: 24 ml

Sample Qualifiers:

Station ID: T007-0005-100729-SW-1

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	162		97.4	50-150	07/30/10	07/30/10
		Targets				
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		19.6	1	07/30/10	07/30/10

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DOSS by LC/MS/MS

Lab ID: 1007039-10

Batch: B0G3001 Date Collected: 07/29/10 Sample Volume: 22 ml Sample Type: Liquid

Sample Qualifiers:

Station ID: T007-0006-100729-SW-1

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared Ana	alyzed
Surr: DOSS-D34	199		109	50-150	07/30/10 07/	30/10
		Targets				
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared Ana	alyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/30/10 07/	30/10

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DOSS by LC/MS/MS

Lab ID: 1007039-11

Batch: B0G3001 Sample Type: Liquid Station ID: T007-BG06-100729-SW-1

Date Collected: 07/29/10 Sample Volume: 22 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared A	Analyzed
Surr: DOSS-D34	187		103	50-150	07/30/10	07/30/10
		Targets				
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared A	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/30/10	07/30/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

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DOSS by LC/MS/MS - Quality Control

Batch: B0G3001 Sample Type: Liquid

Blank (**B0G3001-BLK1**)

Prepared: 7/30/2010 Analyzed: 7/30/2010

Surrogates

	Result	Analyte	Spike		%REC
ANALYTE	μg/l	Qualifier	Level	%REC	Limits
Surr: DOSS-D34	205		200	102	50-150

Blank (**B0G3001-BLK1**)

Prepared: 7/30/2010 Analyzed: 7/30/2010

Targets

ANALYTE		Analyte Reporting Qualifiers Limit	RPD RPD Limit
Dioctyl sulfosuccinate, sodium	U	20.0	

salt

LCS (B0G3001-BS1)

Prepared: 7/30/2010 Analyzed: 7/30/2010

Surrogates

ANALYTE	Result μg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	201		200	100	50-150

LCS (B0G3001-BS1)

Prepared: 7/30/2010 Analyzed: 7/30/2010

Targets

ANALYTE	Result µg/l	Analyte Reporting Qualifiers Limit		%REC %REC Limits	RPD RPD Limit
Dioctyl sulfosuccinate, sodium salt	88.0	20.0	87.5	101 50-150	

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DOSS by LC/MS/MS - Quality Control

Batch: B0G3001 Sample Type: Liquid

Matrix Spike (B0G3001-MS1)

Source: 1007039-05 Prepared: 7/30/2010 Analyzed: 7/30/2010

Surrogates

ANALYTE	Result	Analyte	Spike	%REC
	µg/l	Qualifier	Level	%REC Limits
Surr: DOSS-D34	187		174	107 50-150

Matrix Spike (B0G3001-MS1)

Prepared: 7/30/2010 Analyzed: 7/30/2010 Source: 1007039-05

Targets

ANALYTE		Analyte Reporting Qualifiers Limit			%REC Limits	RPD	RPD Limit
Dioctyl sulfosuccinate, sodium	72.5	20.0	76.1	95.3	50-150		

salt

Matrix Spike Dup (B0G3001-MSD1)

Prepared: 7/30/2010 Analyzed: 7/30/2010 Source: 1007039-05

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	193		174	111	50-150

Matrix Spike Dup (B0G3001-MSD1)

Source: 1007039-05 Prepared: 7/30/2010 Analyzed: 7/30/2010

Targets

ANALYTE		Analyte Reporting Qualifiers Limit			%REC Limits	RPD	RPD Limit
Dioctyl sulfosuccinate, sodium salt	76.4	20.0	76.1	100	50-150	5.26	30

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Analyses				R06_Dee Contact I	Contact Phone: 713-985-6636	Varr -6536			Lab: U.S. E	Lab: U.S. EPA Region 6 Laboratory Lab Phone: 281-983-2137	shoratory 983-2137
100729-SW-1 DOSS	Sample #		Analyses	Matrix	Collection	Collected	Sample	Numb Cont	Container	Preservativ e	MS/MS D
100729-SW-1 DOSS Sunface Grab 7729/2010 10:50 2 40 ml VOA 4 C	T005-0012-1	00729-SW-1	DOSS	Surface Water	Grab	7/29/2010	09:50	9	40 ml VOA	4 C	>
-100729-SW-1 DOSS Surface Grab 7729/2010 11:25 2 40 mI VOA 4 C -100729-SW-1 DOSS Surface Grab 7729/2010 11:25 2 40 mI VOA 4 C Water Surface Grab 7729/2010 11:25 2 40 mI VOA 4 C Water Grab 7729/2010 11:25 2 40 mI VOA 4 C SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY # CHAIN OF CUSTODY # CHAIN OF CUSTODY # Pelmquished by Date Time Items/Reason Reimquished by Date Received by Date The Duffer Taylo Date 73.4% TW SAMPLES TRANSFERRED FROM CHAIN Date SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY # CHAIN OF CUSTODY # SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY	T005-0013-1	00729-SW-1	DOSS	Surface Water	Grab	7/29/2010	10.25	2	40 ml VOA	0 4	z
Surface Grab 7729/2010 11.25 2 40 ml VOA 4 C	T005-0014-1	00729-SW-1	DOSS	Surface Water	Grab	7/29/2010	10:50	2	40 ml VOA	0 4	z
Reinquehed by Date Time Items Reason Reinquished by Date Received by Date (Main 1720) Main 1730	T005-0015-1	00729-SW-1	SSOO	Surface Water	Grab	7729/2010	11.25	2	40 ml VOA	O	z
Reinquished by Date Received by Date Time Items/Reason Reinquished by Date Received by Date Received by Date Taylor Tayl	nstructions:							SAMPLES TE	ANSFERRED JSTODY#	FROM	
	Reason	Reimoughed by	至一种	Date 16 1/2/10 1		ns/Reason	Reinquished		Receive	732	- 0

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0729-06 AirbillNo: aboratory 983-2137	MS/MS D	>-	z	z	z		7/30/9:40
T0033-100402-20100729-06 Airbillivio: Lab. U.S. EPA Region 6 Laboratory Lab Phone: 281-983-2137	Preservativ e	4C	40	4C	A C MOM		7/30/2 1/30/2 10 mg. 100
No: T0033-100402-20100729-06 Aurbillivo: Lab: U.S. EPA Region 6 Laboratory Lab Phone: 281-983-2137	ontainer	6 40 ml VOA	2 40 ml VOA	2 40 ml VOA	2 40 ml VOA THANSFERRED F	# K007	Date Received by Date TI
N N	Numb Cont Container	6	2 4	2 4	2 40 ml VOA 4 C	CHAIN OF CUSTODY #	\/\
	Sample	09:20	10.25	10.50	1125	0	Relinquished By Worth A
CORD ette			7/29/2010	7/29/2010	7/29/2010		Nems/Reason
CHAIN OF CUSTODY RECORD ROG_DeepWater_Chalmette Contact Name. Kristle Warr Contact Phone; 713-985-6636	Collection Collected Method	Grab	Grab	Grab	Grap		
CHAIN OF (ROG_Dee) Contact Pt	Matrix	Surface Water	Surface Water	Surface Water	Water		Date Time 735-0 16:30 15/2/2 0230 735-2 73-2 735-2 75-2
	Analyses	SS	92	SS	52		7.24. to Market by 7.24. to Market by 7.24. to Market by 73.3. to Market by 93.3. to Mark
		-1 DOSS	-1 DOSS	-1 DOSS	900		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	Sample #	T005-0012-100729-SW-1	T005-0013-100729-SW-1	T005-0014-100729-SW-1	T005-0015-100728-S9W-1	Special Instructions:	reason Relicionished by
Page 1 of	Lab#					Special In	Reason

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Region 6 Laboratory

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Lab# Sam	Sample #	Analyses	Matrix	Collection	Collected	Sample	Numb Cont Container		1012-205-102. College	83-2137
TOOT	T007-0005-100720-01014	300	O. A	Method		Time		i i i i i i i i i i i i i i i i i i i		MS/MS D
2 00	T007 0006 400700 CM14	0000	Surface Water	Grab	7/29/2010	09:15	4	4 40 ml VOA	4 C	z
8 2	1007-0000-100729-5W-1	DOSS	Surface Water	Grab	7/29/2010	09:55	9	6 40 ml VOA	4C	>
			10	neio.	0.007/87/1	77.00	2	2 40 ml VOA	0	z
al Instruc	ctions: Sample Coolers Cu	Special Instructions: Sample Coolers Custody Sealed upon receipt.					SAMPLES TR CHAIN OF CL	SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY#	ROM	
Items/Reason		Date Received by	Date	Time Item	Items/Reason	Refinquished By	By Date	Received by	by Date	Time
7	The second of th	The floor of the state of the s	1)39 0 64 1900 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25 SE 100		Mark	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15 ents	289	10

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Notes and Definitions

Α This sample was extracted at a single acid pH.

HTS Sample was prepared and/or analyzed past recommended holding time. Concentrations should be

considered minimum values.

AES Atomic Emission Spectrometer

CVAA Cold Vapor Atomic Absorption

ECD Electron Capture Detector

GC Gas Chromatograph

GFAA Graphite Furnace Atomic Absorption

ICP Inductively Coupled Plasma

MS Mass Spectrometer

NA Not Applicable

NPD Nitrogen Phosphorous Detector

NR Not Reported

TCLP Toxicity Characteristic Leaching Procedure

Undetected U

Out of QC limits

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds per square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.

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